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	Application No.	Applicant(s)
Notice of Allowability	10/688,762	MORITA ET AL.
notion of Amounty	Examiner	Art Unit
	Tianjie Chen	2652
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIG	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. \square This communication is responsive to <u>04/29/2005</u> .		
2. ☑ The allowed claim(s) is/are <u>1 and 13</u> .		
3. The drawings filed on 17 October 2003 are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give (a) including changes required by the Notice of Draftspers: (a) hereto or 2) to Paper No./Mail Date (b) DEPOSIT OF and/or INFORMATION about the deposant sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date DEPOSIT OF and/or INFORMATION about the deposant attached Examiner's comment regarding REQUIREMENT in the paper No./Mail Date 	been received. been received in Application No. Oscuments have been received in this cuments have been received in this of this communication to file a reply ENT of this application. Itted. Note the attached EXAMINER as reason(s) why the oath or declarate to be submitted. It be submitted. It is application on the drawing Review (PTO-Samendment / Comment or in the Comment of the drawing he header according to 37 CFR 1.121(content).	national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF stion is deficient. 948) attached Office action of the back) of di. must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/06 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendr	te

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 04/29/2005 has been entered. Claims 1 and 13 are pending and found allowable.

REASONS FOR ALLOWANCE

- 2. The following is an examiner's statement of reasons for allowance:
 - As the closest reference, Heim et al (US 5,793,578) discloses a thin film magnetic head comprising a lower core layer, a bottom pole layer formed on the lower core layer, a nonmagnetic gap layer formed on the bottom pole layer, an upper core layer to be joined to the top of the gap layer at a surface facing a recording medium, and a coil layer formed behind the bottom pole layer in the height direction, wherein the upper core layer comprises a tip region and a rear end region, the tip region being exposed with a track width at the surface facing the recording medium, the rear end region extending backward from the end edge of the tip region in the height direction so that the width dimension in the track width direction gradually increases in the height direction, wherein the space between the tip region of the upper core layer and the bottom pole layer comprises a first portion extending backward from the surface facing the recording medium in the height direction, in which only a gap layer is present, and a gap depth is regulated by the end edge of the portion, and a second

portion extending backward from the end edge of the first portion in the height direction, but fails to show that in the second portion a partial insulating layer is formed on the gap layer and on a first insulating layer, and in which the partial insulating layer is present together with the gap layer or with the gap layer removed so that the gap between the tip region and the bottom pole layer in the portion comprising the partial insulating layer is larger than the gap in the portion comprising only the gap layer.

Applicant asserts: the present invention provides a thin film magnetic head,
 which is capable of appropriately suppressing magnetic saturation and
 improving the electrical characteristics of a conventional head even with an
 increase in recording current (Specification, p. 1).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tianjie Chen whose telephone number is 571-272-7570. The examiner can normally be reached on 8:00-4:30, Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Nguyen can be reached on 571-272-7579. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TIANJIE CHEM PRIMARY EXAMINER